

## **EXECUTIVE SUMMARY**

The Tooele Chemical Agent Disposal Facility (TOCDF) was designed and built for the U.S. Army to destroy the chemical agent munitions stockpile at the Deseret Chemical Depot (DCD) located 20 miles south of Tooele, Utah. EG&G Defense Materials, Inc. (EG&G) operates the TOCDF under contract to the Army through the Chemical Materials Agency (CMA). The United States Environmental Protection Agency (EPA) identification number for the TOCDF is UT5210090002. The facility operates under a Resource Conservation and Recovery Act (RCRA) Part B permit issued pursuant to the delegation of the State of Utah, Department of Environmental Quality, Division of Solid & Hazardous Waste under the Utah Administrative Code Section 315. The TOCDF also operates under a Title V permit administered by the State of Utah, Department of Environmental Quality, Division of Air Quality. Under the requirements of these permits, the incinerator system must demonstrate an ability to effectively treat any hazardous waste such that human health and the environment are protected.

This plan addresses the conduct of a Spray Tank Demonstration Test (STDT) in the Metal Parts Furnace (MPF) to demonstrate the lead emissions from processing spray tanks are not a threat to human health and the environment. The TOCDF MPF STDT will be conducted by EG&G and will consist of three runs at one test condition. The test will acquire data on metal emissions and particulate matter emissions. A subcontractor will collect samples of exhaust gases and wet scrubber recirculation brine for analyses. A complete set of process data will also be collected to document the performance of the MPF under the test conditions.

The STDT objectives include demonstrating that lead emissions from lead in the exterior paint and the nose cone of the spray tanks will not exceed the emission rates used in the DCD Human Health Risk Assessment (HHRA). The STDT will also demonstrate other metal emissions from processing spray tanks compare favorably with values used in the DCD HHRA.